Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Pre-Measurement : 30-3-2019

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Detailed Measurements							
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No 27., I.No.5.33 of KPWD S.R 2018-19).							
	For Drain desilt							
	LHS							
	Kamakshamma Badavane							
	1st cross							
	Ch:0.00m to 30.00m		1	12.00	0.75		9.00	
	Ch:30.00m to 60.00m		1	10.00	0.75		7.50	
	Ch:60.00m to 88.00m		1	13.00	0.75		9.75	
	Ch:90.00m to 120.00m		1	20.00	0.75		15.00	
	Ch:120.00m to 147.60m		1	14.00	0.75		10.50	
	Cr-1							
	Ch:0.00m to 30.00m		1	16.00	0.75		12.00	
	Cr-2							
	Ch:0.00m to 22.80m		1	13.00	0.75		9.75	
	Cr-3							
	Ch:0.00m to 30.00m		1	17.00	0.75		12.75	
	Ch:30.00m to 37.20m		1	4.00	0.75		3.00	
	Cr-4							
	Ch:0.00m to 28.00m		1	16.00	0.75		12.00	
	Cr-5							
	Ch:0.00m to 30.00m		1	12.00	0.75		9.00	
	Ch:30.00m to 46.20m		1	10.00	0.75		7.50	
	Cr-6							
	Ch:0.00m to 28.20m		1	16.00	0.75		12.00	
	Cr-7							
	Ch:0.00m to 30.00m		1	18.00	0.75		13.50	
	Ch:30.00m to 49.20m		1	11.00	0.75		8.25	
	1st main road							
	Ch:0.00m to 30.00m		1	14.00	0.75		10.50	
	Ch:30.00m to 60.00m		1	10.00	0.75		7.50	
	RHS							
	Kamakshamma Badavane							
	1st cross							
	Ch:0.00m to 30.00m		1	8.00	0.75		6.00	
	Ch:30.00m to 60.00m		1	17.00	0.75		12.75	
	Ch:60.00m to 88.00m		1	10.00	0.75		7.50	
	Ch:90.00m to 120.00m		1	16.00	0.75		12.00	
	Ch:120.00m to 147.60m		1	20.00	0.75		15.00	

	Cr-1							
	Ch:0.00m to 30.00m		1	14.00	0.75		10.50	
	Cr-2							
	Ch:0.00m to 22.80m		1	11.00	0.75		8.25	
	Cr-3							
	Ch:0.00m to 30.00m		1	17.00	0.75		12.75	
	Ch:30.00m to 37.20m		1	2.00	0.75		1.50	
	Cr-4							
	Ch:0.00m to 28.00m		1	18.00	0.75		13.50	
	Cr-5							
	Ch:0.00m to 30.00m		1	15.00	0.75		11.25	
	Ch:30.00m to 46.20m		1	9.00	0.75		6.75	
	Cr-6							
	Ch:0.00m to 28.20m		1	16.00	0.75		12.00	
	Cr-7							
	Ch:0.00m to 30.00m		1	13.00	0.75		9.75	
	Ch:30.00m to 49.20m		1	12.00	0.75		9.00	
	1st main road							
	Ch:0.00m to 30.00m		1	19.00	0.75		14.25	
	Ch:30.00m to 60.00m		1	12.00	0.75		9.00	
						Present Qty	**341.25**	**Sqm**

Contractor

Nexzen Consultants Bangalore

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Pre-Measurement : 12/4/19

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Detailed Measurements							
2	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)							
	For Drain desilt							
	Kamakshamma Badavane							
	1st cross							
	Ch:0.00m to 30.00m		2	30.00	0.45	0.30	8.10	
	Ch:30.00m to 60.00m		2	30.00	0.45	0.35	9.45	
	Ch:60.00m to 88.00m		2	28.00	0.45	0.40	10.08	
	Ch:90.00m to 120.00m		2	30.00	0.45	0.40	10.80	
	Ch:120.00m to 147.60m		2	25.00	0.45	0.40	9.00	
	Cr-1							
	Ch:0.00m to 30.00m		2	30.00	0.45	0.30	8.10	
	Cr-2							
	Ch:0.00m to 22.80m		2	22.00	0.45	0.30	5.94	
	Cr-3							
	Ch:0.00m to 30.00m		2	30.00	0.45	0.40	10.80	
	Ch:30.00m to 37.20m		2	5.00	0.45	0.40	1.80	
	Cr-4							
	Ch:0.00m to 28.00m		2	28.00	0.45	0.40	10.08	
	Cr-5							
	Ch:0.00m to 30.00m		2	30.00	0.45	0.40	10.80	
	Ch:30.00m to 46.20m		2	15.00	0.45	0.40	5.40	
	Cr-6							
	Ch:0.00m to 28.20m		2	24.00	0.45	0.40	8.64	
	Cr-7							
	Ch:0.00m to 30.00m		2	30.00	0.45	0.40	10.80	
	Ch:30.00m to 49.20m		2	16.00	0.45	0.40	5.76	
	1st main road							
	Ch:0.00m to 30.00m		2	29.00	0.45	0.40	10.44	
	Ch:30.00m to 60.00m		2	24.00	0.45	0.40	8.64	
	For RCC Drain							
	Balaji Badavane							
	Main Road							
			1	78.40	1.05	1.00	82.32	
			1	0.50	1.05	1.00	0.53	
			1	25.50	1.05	1.00	26.78	

			1	23.50	1.05	1.00	24.68	
			1	24.30	1.05	1.00	25.52	
			1	24.00	1.05	1.00	25.20	
			1	9.00	1.05	1.00	9.45	
			1	23.70	1.05	1.00	24.89	
			1	12.70	1.05	1.00	13.34	
	1st cross	LHS	1	24.00	1.05	1.00	25.20	
	2nd cross	LHS	1	30.00	1.05	1.00	31.50	
			1	15.00	1.05	1.00	15.75	
	6th cross							
		LHS	1	11.10	1.05	1.00	11.66	
			1	18.50	1.05	1.00	19.43	
			1	12.20	1.05	1.00	12.81	
		RHS	1	30.00	1.05	1.00	31.50	
			1	13.70	1.05	1.00	14.39	
			1	16.50	1.05	1.00	17.33	
	7th cross							
		LHS	1	30.00	1.05	1.00	31.50	
		RHS	1	30.00	1.05	1.00	31.50	
			1	30.00	1.05	1.00	31.50	
			1	9.00	1.05	1.00	9.45	
	8th cross							
		LHS	1	30.00	1.05	1.00	31.50	
			1	30.00	1.05	1.00	31.50	
			1	9.00	1.05	1.00	9.45	
		RHS	1	23.70	1.05	1.00	24.89	
			1	30.00	1.05	1.00	31.50	
			1	5.70	1.05	1.00	5.99	
						Present Qty	**795.63**	**Cum**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Pre-Measurement : 10/5/19

Item No	Discription of Item		Detailed Measurements No	Length	Breadth		Depth	Qty	Unit
3	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications, MORTH specifications No. 408, (P.No.13, I.No.4-1.2 of PW,P&IWTD S.R 2018-19)								
	For RCC Drain								
	Balaji Badavane								
	Main Road								
			1	78.40	1.05		0.15	12.35	
			1	0.50	1.05		0.15	0.08	
			1	25.50	1.05		0.15	4.02	
			1	23.50	1.05		0.15	3.70	
			1	24.30	1.05		0.15	3.83	
			1	24.00	1.05		0.15	3.78	
			1	9.00	1.05		0.15	1.42	
			1	23.70	1.05		0.15	3.73	
			1	12.70	1.05		0.15	2.00	
	6th cross								
		LHS	1	11.10	1.05		0.15	1.75	
			1	18.50	1.05		0.15	2.91	
			1	12.20	1.05		0.15	1.92	
		RHS	1	30.00	1.05		0.15	4.73	
			1	13.70	1.05		0.15	2.16	
			1	16.50	1.05		0.15	2.60	
	7th cross								
		LHS	1	30.00	1.05		0.15	4.73	
		RHS	1	30.00	1.05		0.15	4.73	
			1	30.00	1.05		0.15	4.73	
			1	9.00	1.05		0.15	1.42	
	8th cross								
		LHS	1	30.00	1.05		0.15	4.73	
			1	30.00	1.05		0.15	4.73	
			1	9.00	1.05		0.15	1.42	
		RHS	1	23.70	1.05		0.15	3.73	
			1	30.00	1.05		0.15	4.73	
			1	5.70	1.05		0.15	0.90	
	1st cross	LHS	1	24.00	1.05		0.15	3.78	
	2nd cross	LHS	1	30.00	1.05		0.15	4.73	
	2nd cross	LHS	1	15.00	1.05		0.15	2.36	
	CC Road								

	Pushkara Road									
	Ch:0.00m to 30.00m		1	30.00	3.40	+	3.30	0.15	15.08	
					2					
	Ch:30.00m to 40.50m		1	10.50	3.30	+	3.30	0.15	5.20	
					2					
	Gopalakrishna Road									
	Ch:0.00m to 30.00m		1	30.00	4.00	+	3.90	0.15	17.78	
					2					
	Venkateshwara Provision Store Road									
	Ch:0.00m to 30.00m		1	30.00	3.50	+	3.50	0.15	15.75	
					2					
	Malli Road									
	Ch:0.00m to 29.00m		1	29.00	4.30	+	4.40	0.15	18.92	
					2					
	Kondappa Badavane									
	11th cross									
	Ch:0.00m to 30.00m		1	30.00	4.40	+	4.30	0.15	19.58	
					2					
	Ch:30.00m to 30.00m		1	30.00	4.30	+	4.20	0.15	19.13	
					2					
								Present Qty	**209.07**	**Cum**
								Qty Limitted to	**201.21**	**Cum**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Pre-Measurement : 13/5/19

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Detailed Measurements							
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (I No-4.31,P No-							
	Wall							
	Balaji Badavane							
	Main Road							
			4	78.40		0.60	188.16	
			4	0.50		0.60	1.20	
			4	25.50		0.60	61.20	
			4	23.50		0.60	56.40	
			4	24.30		0.60	58.32	
			4	24.00		0.75	72.00	
			4	9.00		0.75	27.00	
			4	23.70		0.75	71.10	
			4	12.70		0.75	38.10	
	6th cross							
		LHS	4	11.10		0.60	26.64	
			4	18.50		0.60	44.40	
			4	12.20		0.60	29.28	
		RHS	4	30.00		0.60	72.00	
			4	13.70		0.60	32.88	
			4	16.50		0.60	39.60	
	7th cross							
		LHS	4	30.00		0.60	72.00	
		RHS	4	30.00		0.60	72.00	
			4	30.00		0.60	72.00	
			4	9.00		0.50	18.00	
	8th cross							
		LHS	4	30.00		0.55	66.00	
			4	30.00		0.55	66.00	
			4	9.00		0.55	19.80	
		RHS	4	23.70		0.55	52.14	
			4	30.00		0.55	66.00	
			4	5.70		0.55	12.54	
	1st cross	LHS	4	24.00		0.55	52.80	
	2nd cross	LHS	4	30.00		0.55	66.00	
			4	15.00		0.55	33.00	
						Present Qty	**1486.56**	**Sqm**

Contractor

Newzen Consultants PMC

Assistant Engineer

Asst. Executive Engineer

Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Pre-Measurement : 14/5/19

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
6	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.						
	CC drain						
	Main Road						
	Total Drain length=210m						
	Main bar 12mm dia bar						
	0.89kg/mtr						
	No of U-bar=1680.00Nos	1680	2.00		0.89	2990.40	
	Distribution bar						
	Distribution bar 10mm dia						
	0.61kg/mtr	11	210.00		0.61	1409.10	
	6th cross						
	Total Drain length=102m						
	Main bar 12mm dia bar						
	0.89kg/mtr						
	No of U-bar=816.00Nos	816	2.00		0.89	1452.48	
	Distribution bar						
	Distribution bar 10mm dia						
	0.61kg/mtr	11	102.00		0.61	684.42	
	7th cross						
	Total Drain length=99m						
	Main bar 12mm dia bar						
	0.89kg/mtr						
	No of U-bar=792.00Nos	792	2.00		0.89	1409.76	
	Distribution bar						
	Distribution bar 10mm dia						
	0.61kg/mtr	11	99.00		0.61	664.29	
	8th cross						
	Total Drain length=128.4m						
	Main bar 12mm dia bar						
	0.89kg/mtr						
	No of U-bar=1027.00Nos	1027	2.00		0.89	1828.06	
	Distribution bar						
	Distribution bar 10mm dia						
	0.61kg/mtr	11	128.40		0.61	861.56	
	1st cross						
	Total Drain length=24m						
	Main bar 12mm dia bar						
	0.89kg/mtr						
	No of U-bar=192.00Nos	192	2.00		0.89	341.76	
	Distribution bar						
	Distribution bar 10mm dia						
	0.61kg/mtr	11	24.00		0.61	161.04	

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	2nd cross						
	Total Drain length=45m						
	Main bar 12mm dia bar						
	0.89kg/mtr						
	No of U-bar=360.00Nos	360	2.00		0.89	640.80	
	Distribution bar						
	Distribution bar 10mm dia						
	0.61kg/mtr	11	45.00		0.61	301.95	
					Present Qty	**12745.62**	**Kg**
					Present Qty	**12.75**	**Tn**
					Limitted to	**12.69**	**Tn**

Contractor

PMC

Assistant Engineer

A.Asst. Executive Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka. Bangalore

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Pre-Measurement : 25/5/19

Item No	Detailed Measurements Discription of Item		No	Length	Breadth	Depth	Qty	Unit
10	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (Page No143., I.No.19.14 of KPWD S.R 2018-19).							
	For Road Bad Reaches							
	Kamakshamma Badavane							
	1st cross							
	Ch:0.00m to 30.00m		1	30.00	(2.20 + 2.10)/2	0.20	12.90	
	Ch:30.00m to 60.00m		1	30.00	(2.10 + 2.30)/2	0.20	13.20	
	Ch:60.00m to 88.00m		1	28.00	(2.30 + 2.20)/2	0.20	12.60	
	Culvert Gap							
	Ch:90.00m to 120.00m		1	30.00	(2.20 + 1.80)/2	0.20	12.00	
	Ch:120.00m to 147.60m		1	27.60	(1.80 + 2.00)/2	0.20	10.49	
	Cr-1							
	Ch:0.00m to 30.00m		1	30.00	(2.00 + 1.90)/2	0.20	11.70	
	Ch:30.00m to 31.00m		1	1.00	(1.90 + 2.20)/2	0.20	0.41	
	Cr-2							
	Ch:0.00m to 22.80m		1	22.80	(5.00 + 4.80)/2	0.35	39.10	
	Cr-3							
	Ch:0.00m to 30.00m		1	30.00	(2.10 + 1.90)/2	0.20	12.00	
	Ch:30.00m to 37.20m		1	7.20	(1.90 + 2.00)/2	0.20	2.81	
	Cr-4							
	Ch:0.00m to 28.00m		1	28.00	(1.80 + 1.95)/2	0.20	10.50	
	Cr-5							

	Ch:0.00m to 30.00m		1	30.00	2.00 + 2.10 / 2			0.20	12.30	
	Ch:30.00m to 46.20m		1	16.20	2.10 + 1.90 / 2			0.20	6.48	
	1st main road									
	Approach		1	5.00	2.30 + 2.10 / 2			0.20	2.20	
	Ch:0.00m to 30.00m		1	30.00	2.10 + 2.20 / 2			0.20	12.90	
	Ch:30.00m to 60.00m		1	30.00	2.20 + 2.10 / 2			0.20	12.90	
	Ch:60.00m to 61.00m		1	1.00	2.10 + 2.20 / 2			0.20	0.43	
								Present Qty	**184.92**	**Cum**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Pre-Measurement : 18/6/19

Item No	Discription of Item	Detailed Measurements					Unit
		No	Length	Breadth	Depth	Qty	
9	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of						
	For Road Bad Reaches						
	Kamakshamma Badavane						
	1st cross						
	Ch:0.00m to 30.00m	1	30.00	(2.20 + 2.10)/2	0.100	6.45	
	Ch:30.00m to 60.00m	1	30.00	(2.10 + 2.30)/2	0.100	6.60	
	Ch:60.00m to 88.00m	1	28.00	(2.30 + 2.20)/2	0.100	6.30	
	Culvert Gap						
	Ch:90.00m to 120.00m	1	30.00	(2.20 + 1.80)/2	0.100	6.00	
	Ch:120.00m to 147.60m	1	27.60	(1.80 + 2.00)/2	0.100	5.24	
	Cr-1						
	Ch:0.00m to 30.00m	1	30.00	(2.00 + 1.90)/2	0.100	5.85	
	Ch:30.00m to 31.00m	1	1.00	(1.90 + 2.20)/2	0.100	0.21	
	Cr-2						
	Ch:0.00m to 22.80m	1	22.80	(5.00 + 4.80)/2	0.150	16.76	
	Cr-3						
	Ch:0.00m to 30.00m	1	30.00	(2.10 + 1.90)/2	0.125	7.50	
	Ch:30.00m to 37.20m	1	7.20	(1.90 + 2.00)/2	0.125	1.76	
	Cr-4						
	Ch:0.00m to 28.00m	1	28.00	(1.80 + 1.95)/2	0.100	5.25	
	Cr-5						

	Ch:0.00m to 30.00m		1	30.00	2.00 + 2.10 / 2		0.125	7.69	
	Ch:30.00m to 46.20m		1	16.20	2.10 + 1.90 / 2		0.125	4.05	
	1st main road								
	Approach		1	5.00	2.30 + 2.10 / 2		0.100	1.10	
	Ch:0.00m to 30.00m		1	30.00	2.10 + 2.20 / 2		0.100	6.45	
	Ch:30.00m to 60.00m		1	30.00	2.20 + 2.10 / 2		0.100	6.45	
	Ch:60.00m to 61.00m		1	1.00	2.10 + 2.20 / 2		0.100	0.22	
							Present Qty	**93.86**	**Cum**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Pre-Measurement : 8/7/19

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Detailed Measurements							
10	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per							
	For Road Bad Reaches							
	Kamakshamma Badavane							
	1st cross							
	Ch:0.00m to 30.00m		1	30.00	(2.20 + 2.10)/2	0.23	14.51	
	Ch:30.00m to 60.00m		1	30.00	(2.10 + 2.30)/2	0.23	14.85	
	Ch:60.00m to 88.00m		1	28.00	(2.30 + 2.20)/2	0.23	14.18	
	Culvert Gap							
	Ch:90.00m to 120.00m		1	30.00	(2.20 + 1.80)/2	0.23	13.50	
	Ch:120.00m to 147.60m		1	27.60	(1.80 + 2.00)/2	0.23	11.80	
	Cr-1							
	Ch:0.00m to 30.00m		1	30.00	(2.00 + 1.90)/2	0.23	13.16	
	Ch:30.00m to 31.00m		1	1.00	(1.90 + 2.20)/2	0.23	0.46	
	Cr-2							
	Ch:0.00m to 22.80m		1	22.80	(5.00 + 4.80)/2	0.23	25.14	
	Cr-3							
	Ch:0.00m to 30.00m		1	30.00	(2.10 + 1.90)/2	0.23	13.50	
	Ch:30.00m to 37.20m		1	7.20	(1.90 + 2.00)/2	0.23	3.16	
	Cr-4							
	Ch:0.00m to 28.00m		1	28.00	(1.80 + 1.95)/2	0.23	11.81	
	Cr-5							

	Ch:0.00m to 30.00m		1	30.00	2.00 + 2.10 / 2			0.23	13.84	
	Ch:30.00m to 46.20m		1	16.20	2.10 + 1.90 / 2			0.23	7.29	
	1st main road									
	Approach		1	5.00	2.30 + 2.10 / 2			0.23	2.48	
	Ch:0.00m to 30.00m		1	30.00	2.10 + 2.20 / 2			0.23	14.51	
	Ch:30.00m to 60.00m		1	30.00	2.20 + 2.10 / 2			0.23	14.51	
	Ch:60.00m to 61.00m		1	1.00	2.10 + 2.20 / 2			0.23	0.48	
								Present Qty	**189.18**	**Cum**
								Qty Limitted	**187.77**	**Cum**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Measurement : 10/7/19

Item No	Discription of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit
11	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision (P.No.158/It No.21.6) KPWD SR 2018-							
	For Road Bad Reaches							
	Kamakshamma Badavane							
	1st cross							
	Ch:0.00m to 30.00m		1	30.00	(2.20 + 2.10)/2		64.50	
	Ch:30.00m to 60.00m		1	30.00	(2.10 + 2.30)/2		66.00	
	Ch:60.00m to 88.00m		1	28.00	(2.30 + 2.20)/2		63.00	
	Culvert Gap							
	Ch:90.00m to 120.00m		1	30.00	(2.20 + 1.80)/2		60.00	
	Ch:120.00m to 147.60m		1	27.60	(1.80 + 2.00)/2		52.44	
	Cr-1							
	Ch:0.00m to 30.00m		1	30.00	(2.00 + 1.90)/2		58.50	
	Ch:30.00m to 31.00m		1	1.00	(1.90 + 2.20)/2		2.05	
	Cr-2							
	Ch:0.00m to 22.80m		1	22.80	(5.00 + 4.80)/2		111.72	
	Cr-3							
	Ch:0.00m to 30.00m		1	30.00	(2.10 + 1.90)/2		60.00	
	Ch:30.00m to 37.20m		1	7.20	(1.90 + 2.00)/2		14.04	
	Cr-4							
	Ch:0.00m to 28.00m		1	28.00	(1.80 + 1.95)/2		52.50	

	Cr-5									
	Ch:0.00m to 30.00m		1	30.00	2.00 + 2.10 / 2				61.50	
	Ch:30.00m to 46.20m		1	16.20	2.10 + 1.90 / 2				32.40	
	Cross road cutting		1	4.50	0.80				3.60	
			1	4.40	1.00				4.40	
			1	5.00	0.90				4.50	
			1	4.60	0.80				3.68	
	1st main road									
	Approach		1	5.00	2.30 + 2.10 / 2				11.00	
	Ch:0.00m to 30.00m		1	30.00	2.10 + 2.20 / 2				64.50	
	Ch:30.00m to 60.00m		1	30.00	2.20 + 2.10 / 2				64.50	
	Ch:60.00m to 61.00m		1	1.00	2.10 + 2.20 / 2				2.15	
								Present Qty	**856.98**	**Sqm**

Contractor

Newzen Consultants Bangalore

IMC

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer,
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Measurement : 10/7/19

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
12	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision. - do - using						
	For Road Bad Reaches						
	Kamakshamma Badavane						
	1st cross						
	Ch:0.00m to 30.00m	1	30.00	(2.20 + 2.10)/2	0.04	2.58	
	Ch:30.00m to 60.00m	1	30.00	(2.10 + 2.30)/2	0.04	2.64	
	Ch:60.00m to 88.00m	1	28.00	(2.30 + 2.20)/2	0.04	2.52	
	Culvert Gap						
	Ch:90.00m to 120.00m	1	30.00	(2.20 + 1.80)/2	0.04	2.40	
	Ch:120.00m to 147.60m	1	27.60	(1.80 + 2.00)/2	0.04	2.10	
	Cr-1						
	Ch:0.00m to 30.00m	1	30.00	(2.00 + 1.90)/2	0.04	2.34	
	Ch:30.00m to 31.00m	1	1.00	(1.90 + 2.20)/2	0.04	0.08	
	Cr-3						
	Ch:0.00m to 30.00m	1	30.00	(2.10 + 1.90)/2	0.04	2.40	
	Ch:30.00m to 37.20m	1	7.20	(1.90 + 2.00)/2	0.04	0.56	
	Cr-4						
	Ch:0.00m to 28.00m	1	28.00	(1.80 + 1.95)/2	0.04	2.10	
	Cr-5						
	Ch:0.00m to 30.00m	1	30.00	(2.00 + 2.10)/2	0.04	2.46	

	Ch:30.00m to 46.20m		1	16.20	2.10 + 1.90 / 2			0.04	1.30	
	Cross road cutting		1	4.50	0.80			0.04	0.14	
			1	4.40	1.00			0.04	0.18	
			1	5.00	0.90			0.04	0.18	
			1	4.60	0.80			0.04	0.15	
	1st main road									
	Approach		1	5.00	2.30 + 2.10 / 2			0.04	0.44	
	Ch:0.00m to 30.00m		1	30.00	2.10 + 2.20 / 2			0.04	2.58	
	Ch:30.00m to 60.00m		1	30.00	2.20 + 2.10 / 2			0.04	2.58	
	Ch:60.00m to 61.00m		1	1.00	2.10 + 2.20 / 2			0.04	0.09	
								Present Qty	**29.81**	**Cum**

Contractor

PWC

Assistant Engineer

Asst. Executive Engineer,